# BRUHAT BANGLORE MAHANAGARA PALIKE

## DASARAHALLI-ZONE

## DASARAHALLI-SUB-DIVISION.

*Name of Work: Improvements to CC Roads & drains at Muneshwara Nagara in Bagalagunte Ward No 14*

Estimate Cost :-20.00 Lakhs

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# BRUHAT BANGALORE MAHANAGARA PALIKE

## DASARAHALLI ZONE

*e of Work: Improvements to CC Roads & drains at Muneshwara agara in Bagalagunte Ward No 14*

| | | | Est. Cost Rs | | | | 20.00 | Lakhs | |
|---|---|---|---|---|---|---|---|---|---|
| Sl | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
| 1 | KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17) | | | | | | | | |
| | | Cum | 1 | 110.00 | 1.20 | 1.00 | 132.00 | | |
| | | | 1 | 70.00 | 4.50 | 0.20 | 63.00 | | |
| | Basic Rate | 82.00 | | | | | 195.00 | 86.92 | 16949.00 |
| | Add Area Weightage 6% | 4.92 | | | | | | | |
| | Total | 86.92 | | | | | | | |
| 2 | KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17) | | | | | | | | |
| | | Cum | 1 | 110.00 | 1.20 | 0.15 | 19.80 | | |
| | | | 1 | 70.00 | 4.50 | 0.15 | 47.25 | | |
| | Basic Rate | 4867.00 | | | | | 67.05 | 5159.02 | 345912.00 |
| | Area Weightage 6% | 292.02 | | | | | | | |
| | Total | 5159.02 | | | | | | | |
| 3 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2016-17 | | | | | | | | |
| | | Sqm | 8 | 110.00 | 0.85 | | 748.00 | | |
| | Basic Rate | 293.00 | | | | | 748.00 | 310.58 | 232314.00 |
| | Area Weightage 6% | 17.58 | | | | | | | |
| | Total | 310.58 | | | | | | | |

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| | tion of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | 1.6: Providing and laying in position plain cement concrete x M1:2:4 with cement @240 kgs, with 20mm and down size ded granite metal coarse aggregates @0.69cum and fine ggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2016-17) | | | | | | | | |
| | | Cum | 4 | 110.00 | 0.15 | 0.85 | 56.10 | | |
| | | | 1 | 70.00 | 1.20 | 0.10 | 8.40 | | |
| | Basic Rate | 5441.00 | | | | | 64.50 | 5767.46 | 372001.00 |
| | Area Weightage 6% | 326.46 | | | | | | | |
| | Total | 5767.46 | | | | | | | |
| 5 | KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.225 - I. no.28.8.2] | | | | | | | | |
| | | Tonne | 22 | 110.00 | | 0.62 | 1500.40 | | |
| | | | 1100 | 2.20 | | 0.62 | 1500.40 | | |
| | | | | | | | 3000.80 | | |
| | | | | | | | 3.00 | 66482.14 | 199500.00 |
| | Basic Rate | 62719.00 | | | | | | | |
| | Area Weightage 6% | 3763.14 | | | | | | | |
| | TOTAL | 66482.14 | | | | | | | |
| 6 | KSRRB M600-2. Cement Concrete Pavement :- Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement design mix M40 at 420 kg/cum Cement, C.A, 0.67 cum, F.A/ 0.44 cum and down size graded granite metal coarse aggregate at 0.69 cum and fine aggregates @ 0.46 cum with superplastizer at 3lts conforming to IS 9103-1999 reaffirmed 2008. coarse and fine aggregate conforming to IS:383, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing, compound, finishing to lines and grades as per drawing complete as per specifications.(Page No: 173, itNo: 22.2.1) | | | | | | | | |
| | | Cum | 1 | 70.00 | 4.50 | 0.15 | 47.25 | | |
| | | | | | | | 47.25 | 7110.48 | 335970.00 |
| | Basic Rate | 6708.00 | | | | | | | |
| | Add Area Weightage 6% | 402.48 | | | | | | | |
| | Total | 7110.48 | | | | | | | |

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| | tion of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | g groove cutting to concrete pavement for width of 5mm to and depth 80mm - 100mm including cost of cutting machine, erator & HOM of machinery, including cost of blade, coolant, etc., cluding cleaning of grove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all amterials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(P.No.178, I.No.22.8.1 of PW, P&IWTD SR 2016-17) | | | | | | | | |
| | | Rmt | 1 | 30.00 | 4.50 | | 135.00 | | |
| | | | | | | | 135.00 | 121.90 | 16457.00 |
| | Basic Rate | 115.00 | | | | | | | |
| | Add Area Weightage 6% | 6.90 | | | | | | | |
| | Total | 121.90 | | | | | | | |
| 8 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift PWD SR 2015- | | | | | | | | |
| | | Sqm | 1 | 70.00 | 4.50 | | 315.00 | | |
| | | | | | | | 315.00 | 95.40 | 30051.00 |
| | Basic Rate | 90.00 | | | | | | | |
| | Add Area Weightage 6% | 5.40 | | | | | | | |
| | Total | 95.40 | | | | | | | |
| 9 | Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. | | | | | | | | |
| | | Sqm | 2 | 110.00 | 0.90 | | 198.00 | | |
| | Data Rates Approved by CE DZ enclosed | | | | | | 198.00 | 1698.00 | 336204.00 |
| 10 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2016-17 | | | | | | | | |
| | | Cum | Qty Vide Item No. 1 | | | | 195.00 | 85.65 | 16701.00 |
| | Loading and Unloading Charges | 68.00 | | | | | | | |
| | Lead 4 KMs 2x1.28x4 | 12.80 | | | | | | | |
| | | 80.80 | | | | | | | |
| | Add Area Weightage 6% | 4.85 | | | | | | | |
| | Total | 85.65 | | | | | | | |

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| | ion of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Sub Total | | 1902059.00 |
| | | | | | | | | | |
| | & Tender Premium 5% | | | | | | | | 95103.00 |
| | | | | | | | | | |
| 2 | Miscellaneous and UnforessenCharges | | | | | | | | 2838.00 |
| | | | | | | | | | 2000000.00 |

Rupees Twenty Lakhs Only

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward No 14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. EE/DD/AS/575 ದಿನಾಂಕ : 1/12/17
17-18
ರೂ. 20.00 Lakh
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/TS/409 ದಿನಾಂಕ : 1/12/17
17-18
ರೂ. 20.00 Lakh
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
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ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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